

ROLLING/SLIDING COMPONENT

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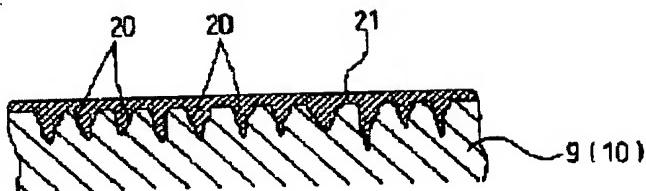
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Abstract of JP2000205284

PROBLEM TO BE SOLVED: To suppress damage to a part to make rolling contact or sliding contact for a long period of time.

SOLUTION: A rolling/sliding component 10 to make contacting with a mating member in relative rolling or sliding has a surface at which dimples 20 with a depth of 0.5 &mu m or more by reference to the roughness center line are provided independently of one another in an number more than 15 per millimeter width, wherein the parameter SK value of surface roughness of this surface lies below zero and the parameter Rq value is over 0.1, and a film 21 having excellent retaining property for lubricating oil is provided on this surface. Even in an environment involving poor lubricating oil, therefore, an oil film is formed without interruption between the mating member and the rolling/sliding component 10, so that metal components can be precluded from mutual contacting.



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